

Rec'd PCT/PTO 01 MAR 2006

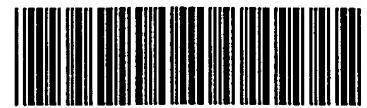
10/523191

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/523,191A
Source: PCT
Date Processed by STIC: 3/1/06

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PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,191A

DATE: 03/01/2006

TIME: 13:48:07

Input Set : A:\pto.da.txt
 Output Set: N:\CRF4\03012006\J523191A.raw

3 <110> APPLICANT: Kaneka Corporation,
 4 Nagoya Industrial Science Research Institute (Chubu Technology Licensing
 5 Office)
 7 <120> TITLE OF INVENTION: Method of expressing gene in transgenic birds using
 retrovirus vector and
 8 transgenic birds thus obtained
 10 <130> FILE REFERENCE: T753/TRANS-1
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/523,191A
 C--> 12 <141> CURRENT FILING DATE: 2005-01-25
 12 <150> PRIOR APPLICATION NUMBER: JP P2002-236089
 13 <151> PRIOR FILING DATE: 2002-08-13
 15 <160> NUMBER OF SEQ ID NOS: 37
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 25
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: Designed sequence of a 5'-primer used for PCR amplification
 of the Miw
 24 promoter 5' region fragment
 26 <400> SEQUENCE: 1
 27 cggtagatcgaaattcgttg 25
 30 <210> SEQ ID NO: 2
 31 <211> LENGTH: 26
 32 <212> TYPE: DNA
 33 <213> ORGANISM: Artificial Sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the BamH I
 recognition site
 37 at the 5' terminal used for PCR amplification of the Miw promoter 5' region
 38 fragment
 40 <400> SEQUENCE: 2
 41 ccaggatccg acgtttaaa acgacg 26
 44 <210> SEQ ID NO: 3
 45 <211> LENGTH: 28
 46 <212> TYPE: DNA
 47 <213> ORGANISM: Artificial Sequence
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Hind III
 recognition
 51 site at the 5' terminal used for PCR amplification of the Miw promoter 3' region
 52 fragment
 54 <400> SEQUENCE: 3
 55 ccaaagcttg ccgcagccat tgccttt 28

58 <210> SEQ ID NO: 4
59 <211> LENGTH: 27
60 <212> TYPE: DNA

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61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Bln I
recognition site
65 at the 5' terminal used for PCR amplification of the Miw promoter 3' region
66 fragment
68 <400> SEQUENCE: 4
69 ataccttaggg gctggctgcg gaggaac 27
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 29
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Nhe I
recognition site
79 at the 5' terminal used for PCR amplification of the chicken beta-actin promoter
80 fragment lacking the intron
82 <400> SEQUENCE: 5
83 tttagctago tgcagctcag tgcatacac 29
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 27
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Xba I
recognition site
93 at the 5' terminal used for PCR amplification of the chicken beta-actin promoter
94 fragment lacking the intron
96 <400> SEQUENCE: 6
97 ataatctaga aacgcagcga ctccgc 27
100 <210> SEQ ID NO: 7
101 <211> LENGTH: 25
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Xho I
recognition site
107 at the 5' terminal used for PCR amplification of the coding fragment of the
108 human antibody light chain kappa constant region
110 <400> SEQUENCE: 7
111 atcctcgaga ggc当地aaagta cagtg 25
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 33
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the BamH I
recognition site
121 at the 5' terminal used for PCR amplification of the coding fragment of the
122 human antibody light chain kappa constant region
124 <400> SEQUENCE: 8
125 cccggatccc taacactctc ccctgttcaa gct 33
128 <210> SEQ ID NO: 9

129 <211> LENGTH: 48

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Input Set : A:\pto.da.txt

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130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Not I recognition site
135 at the 5' terminal used for PCR amplification of the coding fragment of the
136 human antibody light chain variable region
138 <400> SEQUENCE: 9
139 agcggccgct acaggtgtcc actccgacat cgtgatgacc cagtctcc 48
142 <210> SEQ ID NO: 10
143 <211> LENGTH: 34
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Xho I recognition site
149 at the 5' terminal used for PCR amplification of the coding fragment of the
150 human antibody light chain variable region
152 <400> SEQUENCE: 10
153 cctctcgagg atagaagttt ttcagcaggc acac 34
156 <210> SEQ ID NO: 11
157 <211> LENGTH: 32
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Xho I recognition site
163 at the 5' terminal used for PCR amplification of the coding fragment of the
164 human antibody heavy chain mu constant region
166 <400> SEQUENCE: 11
167 accttcgagcg tggccgttgg ctgcctcgca ca 32
170 <210> SEQ ID NO: 12
171 <211> LENGTH: 32
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Hind III recognition site
177 site at the 5' terminal used for PCR amplification of the coding fragment of
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178 human antibody heavy chain mu constant region
180 <400> SEQUENCE: 12
181 actaagctta cgttgtacag ggtgggttta cc 32
184 <210> SEQ ID NO: 13
185 <211> LENGTH: 48
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Not I recognition site
191 at the 5' terminal used for PCR amplification of the coding fragment of the
192 human antibody heavy chain variable region
194 <400> SEQUENCE: 13

195 agcggccgct acaggtgtcc actccgaggt gcagctggtg gagtctgg 48
198 <210> SEQ ID NO: 14

RAW SEQUENCE LISTING

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Input Set : A:\pto.da.txt

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199 <211> LENGTH: 36
 200 <212> TYPE: DNA
 201 <213> ORGANISM: Artificial Sequence
 203 <220> FEATURE:
 204 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Xho I recognition site
 at the 5' terminal used for PCR amplification of the coding fragment of the
 206 human antibody heavy chain variable region
 208 <400> SEQUENCE: 14
 209 cacgctcgag gtatccgacg gggatttctc acagga 36
 212 <210> SEQ ID NO: 15
 213 <211> LENGTH: 49
 214 <212> TYPE: DNA
 215 <213> ORGANISM: Artificial Sequence
 217 <220> FEATURE:
 218 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Hind III recognition site
 site at the 5' terminal used for DNA polymerase reaction to construct the
 coding...
 fragment of the human epidermal growth factor receptor transmembrane region
 220 <400> SEQUENCE: 15
 223 cccaagcttg atctccactg ggatgggtggg ggccttcctc ttgctgtcg 49
 226 <210> SEQ ID NO: 16
 227 <211> LENGTH: 78
 228 <212> TYPE: DNA
 229 <213> ORGANISM: Artificial Sequence
 231 <220> FEATURE:
 232 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the BamH I recognition site
 at the 5' terminal used for DNA polymerase reaction to construct the coding
 fragment of the human epidermal growth factor receptor transmembrane region
 233 <400> SEQUENCE: 16
 237 cccggatcct cagtcaaggc gccttcgcattt gaagaggccg atccccaggg ccaccaccagg 60
 238 cagcaagagg agggcccc 78
 241 <210> SEQ ID NO: 17
 242 <211> LENGTH: 31
 243 <212> TYPE: DNA
 244 <213> ORGANISM: Artificial Sequence
 246 <220> FEATURE:
 247 <223> OTHER INFORMATION: Designed oligonucleotide used for site-directed mutagenesis
 to generate
 the Nar I recognition site at the 3' terminal of the coding fragment of the
 249 human antibody light chain variable region
 251 <400> SEQUENCE: 17
 252 tgaagacaga tggcgccgcc acagttcggtt t 31
 255 <210> SEQ ID NO: 18
 256 <211> LENGTH: 30
 257 <212> TYPE: DNA
 258 <213> ORGANISM: Artificial Sequence
 260 <220> FEATURE:
 261 <223> OTHER INFORMATION: Designed oligonucleotide used for site-directed mutagenesis
 to generate
 the BamH I recognition site at the 3' terminal of the coding fragment of the

263 human antibody heavy chain variable region
265 <400> SEQUENCE: 18

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/523,191A

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Input Set : A:\pto.da.txt
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266 tggggcggat gcggatcctg aggagacggt 30
269 <210> SEQ ID NO: 19
270 <211> LENGTH: 30
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Not I recognition site
276 at the 5' terminal used for PCR amplification of the coding fragment of the
277 mouse antibody light chain variable region
279 <400> SEQUENCE: 19
280 cgcggccgcc tcagggaaag tttgaagatg 30
283 <210> SEQ ID NO: 20
284 <211> LENGTH: 36
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Nar I recognition site
290 at the 5' terminal used for PCR amplification of the coding fragment for the
291 mouse antibody light chain variable region
293 <400> SEQUENCE: 20
294 cggcgccgac acagtccgtt ttatttccag cttgggt 36
297 <210> SEQ ID NO: 21
298 <211> LENGTH: 30
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Not I recognition site
304 at the 5' terminal used for PCR amplification of the coding fragment of the
305 mouse antibody heavy chain variable region
307 <400> SEQUENCE: 21
308 cgcggccgcg aacacggamc cctcaccatg 30
311 <210> SEQ ID NO: 22
312 <211> LENGTH: 28
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the BamH I recognition site
318 at the 5' terminal used for PCR amplification of the coding fragment of the
319 mouse antibody heavy chain variable region
321 <400> SEQUENCE: 22
322 cggatcctgc agagacagt accagagt 28
325 <210> SEQ ID NO: 23
326 <211> LENGTH: 18
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Designed sequence of a 5'-primer used for PCR amplification of the coding
332 fragment of the human antibody heavy chain gamma-1 constant region

334 <400> SEQUENCE: 23

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/01/2006
PATENT APPLICATION: US/10/523,191A TIME: 13:48:08

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\03012006\J523191A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 7
Seq#:2; Line(s) 36
Seq#:3; Line(s) 51
Seq#:4; Line(s) 64
Seq#:5; Line(s) 78,79
Seq#:6; Line(s) 92,93
Seq#:7; Line(s) 106
Seq#:8; Line(s) 120
Seq#:9; Line(s) 134
Seq#:10; Line(s) 148
Seq#:11; Line(s) 162
Seq#:12; Line(s) 177
Seq#:13; Line(s) 190
Seq#:14; Line(s) 204
Seq#:15; Line(s) 219
Seq#:16; Line(s) 232
Seq#:19; Line(s) 275
Seq#:20; Line(s) 289
Seq#:21; Line(s) 303
Seq#:22; Line(s) 317
Seq#:23; Line(s) 331
Seq#:24; Line(s) 344
Seq#:25; Line(s) 357
Seq#:26; Line(s) 372
Seq#:27; Line(s) 385,386
Seq#:28; Line(s) 399,400
Seq#:29; Line(s) 413
Seq#:30; Line(s) 427
Seq#:31; Line(s) 441
Seq#:32; Line(s) 454
Seq#:33; Line(s) 467
Seq#:35; Line(s) 494
Seq#:36; Line(s) 507
Seq#:37; Line(s) 520

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/523,191A

DATE: 03/01/2006

TIME: 13:48:08

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03012006\J523191A.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date